USCMS Engineer Status Report for August 2003

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September 7, 2003

1   Work Performed This Month

1. Configuration Monitoring tool Development

1). Work has been done to modify the configuration monitoring tool to use the glue schema instead of the schema written by myself. This includes some changes on the information provider and the python client programs. The test shows everything works fine and the new code has been put into DPE 2.1 and Grid 3 pacman cache.

2). The web services for configuration monitoring has been partially finished by my summer student. I have implemented a tomcat servlet filter to do the authorization on access control of the web content. Further work is needed to connect the edg-java-security package.

3). Helped organize and co-chair the Information Provider workshop during the Grid 3 meeting. Participated the discussion on the requirement and documentation.

4). Set up a GIIS server for USCMS at hotdog61 with some help from Joe. And I have successfully registered the USCMS GIIS with the Grid 3 GIIS. It took me quite some time to debug the parameters related to the GIIS which causes a "hang-out" problem. There is a possibility of a scalability problem related to the architecture of Globus MDS.

2. VO work:

1). I evaluated the schema of VOX project and gave the feedback to Tanya.

2). I spent some time to evaluate the new edg-mkgridmap client program which can extract user info and generate gridmap-file either from VOMS

DB and LDAP VO server. Initial deployment on the USCMS Development Testbed was very successful with the help from Greg, Rick, Joe, Suresh and James. After the test, I was asked by Grid 3 to put into the Pacman cache. This has been done with the help from Bockjoo. Later, Alain Roy from Univ. of Wisconsin-Madison has put it into VDT based largely on the work of the pacman cache by Bockjoo.

3). Helped Tanya to start using the Tomcat web service so that she can put the user registration info on the web and knows how to extract user certificate info. Note: this is not part of work that had been written down. I gave this info to her as a courtesy and allowed her to continue her work. I will probably ask for permission in the future before doing this.

4). During the Grid 3 meeting, I spent quite some time to tutor other users on setting up the VOMS server and talked with Alain on pacmanization of the voms, voms admin and new edg-mkgridmap scripts.

5). Some routine work on applying DOE host certificates and adding users into the VOMS server.

2   Status of Deliverables

1. Configuration monitoring:

1). I will do some improvement on the installation script and information provider; 2). Continue the work related to the secured access to the information using edg-java-security package;

2. VO work:

Depending on the request by Tanya. She didn't assign me anything after the VOX schema review finished.

3   Plans For Next Month

Because of family matters, I will probably only stay at the lab for about 2 weeks during the month of September. I plan to focus on the continuing development of the configuration monitoring tool if possible.

4 Longer Term Plans

I need talk with Ian and Greg on this after the re-organization of the department.

5 Resources Needed

None.

6 Links To Supporting Documentation

- 1.Configuration Monitoring web interface:

- http://ninomiya.fnal.gov:8080/uscms/index_new_insecure.html

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- 2.New edg-mkgrdimap script:

- http://home.fnal.gov/ yujun/vo/edg_mkgridmap_voms.html

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- 3.USCMS GIIS:

- http://lhc.uits.indiana.edu/mds/uscms/

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